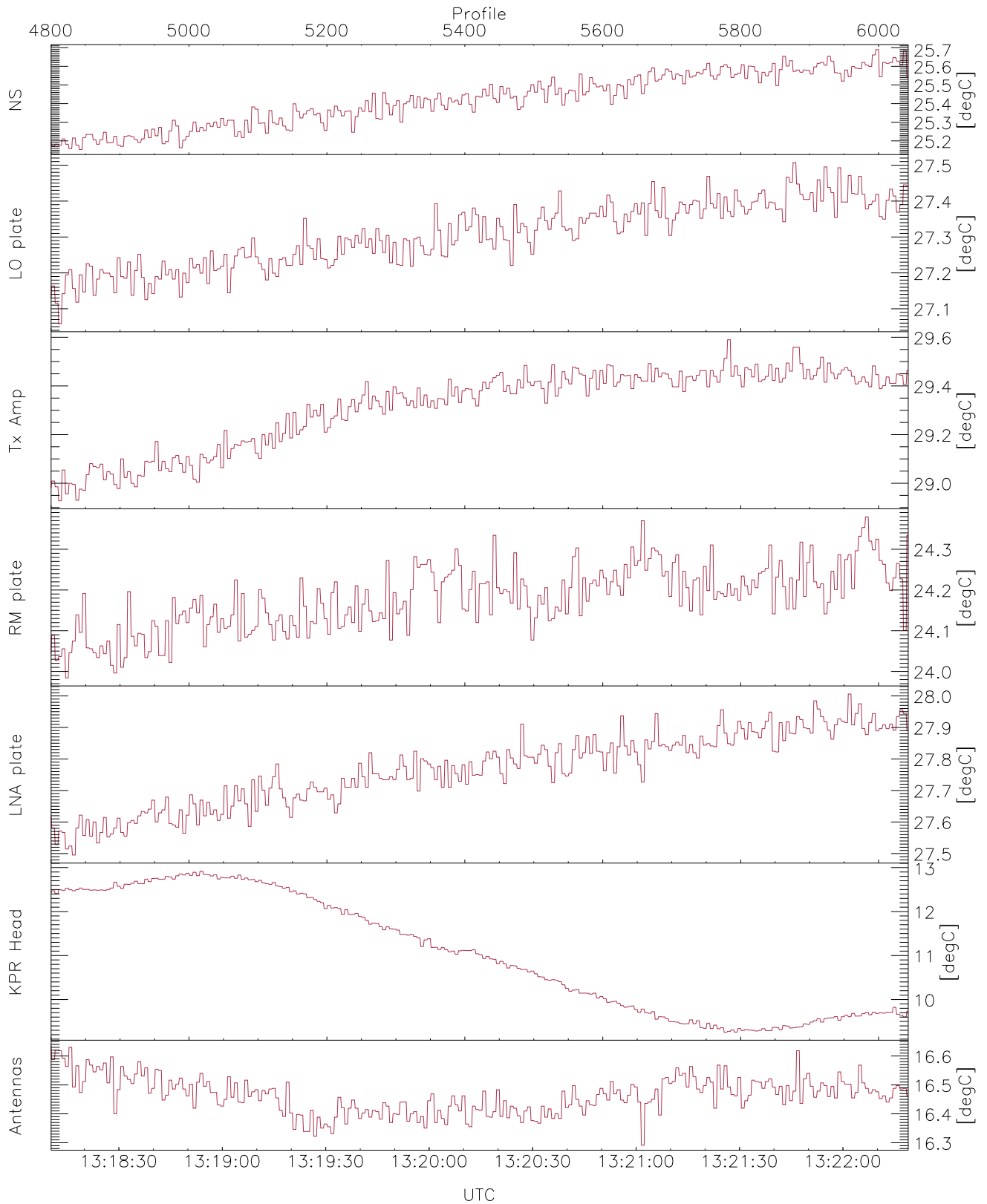


KPR SPP; Ant(s): UP; Radiometer: OFF

UTC: 13:02:10-13:22:19, TimeCor: 0.00s, Dur: 248.60s  
 TimeInt(min,max,mn,std): 188.0,211.9,200.0,0.7 ms; PPS: 5.0  
 NumRec(r/t): 1244/6044, 4800-6043/13:18:10-13:22:19  
 AcqTime(req,actual): 200.0,200.0 ms, Data Rate: 95.2 KB/s  
 Pulse: 247 ns, Chirp: 2.47 us, DRxIF: 5.0 MHz  
 PRF: 20.0 KHz, avgPulses: 4000, avgPP: 3999  
 NyquistVel: 42.1 m/s, RangeRes:30.0 m  
 Pulse Range(min,max): 120, 6506 m, Gates: 427  
 Chirp Range(min,max): 536, 6502 m, Gates: 399  
 RangeGateSampling: 15.0 m, Aspect: 0.8

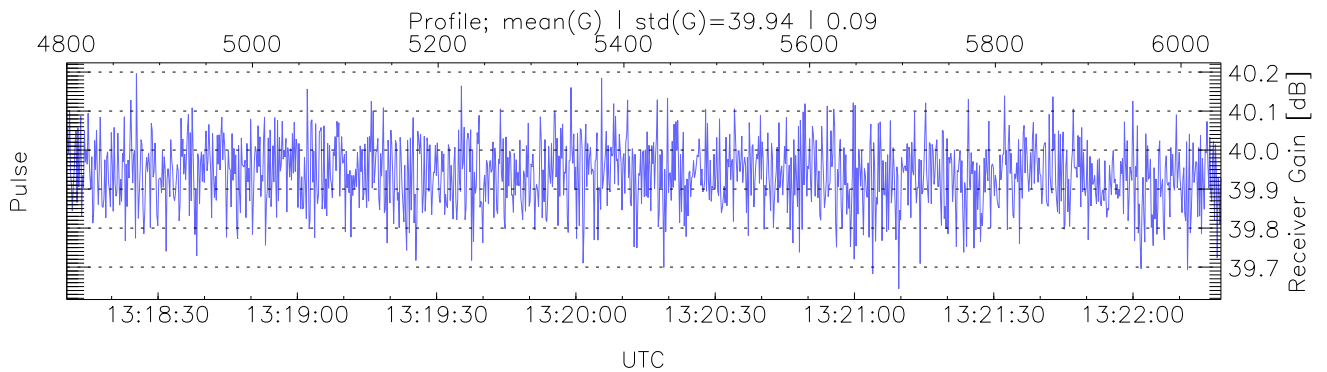
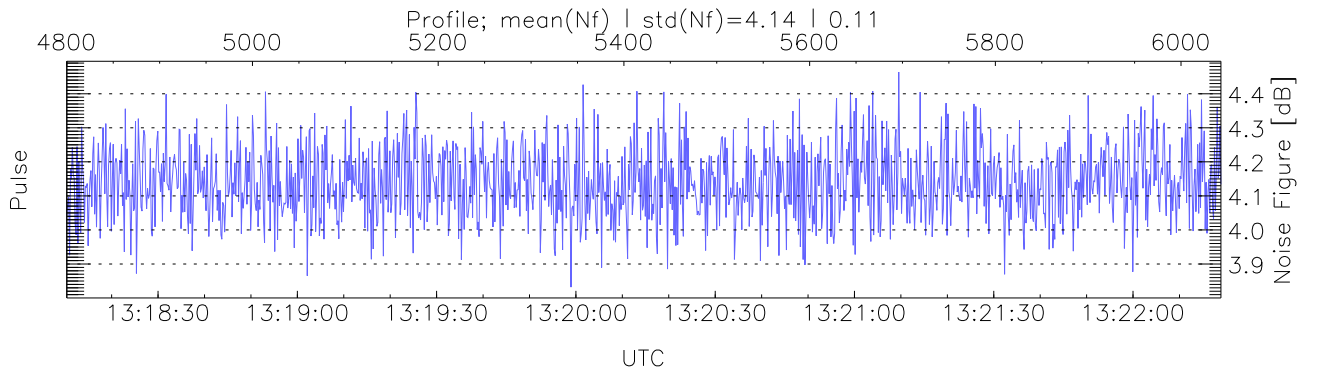
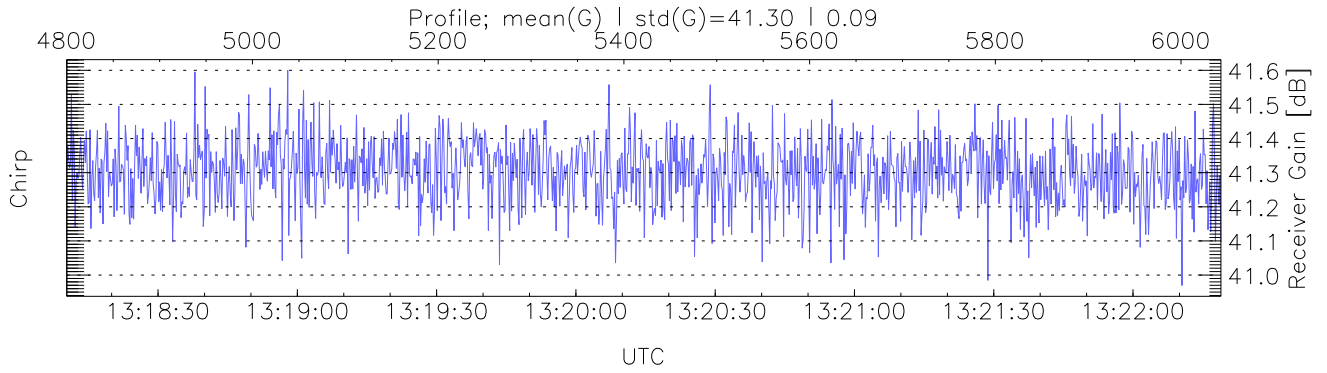
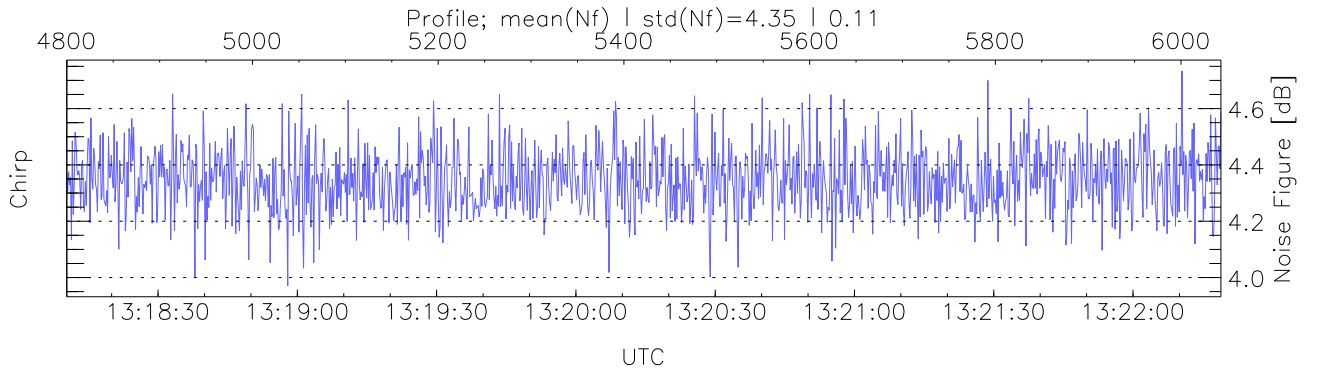


KPR SPP Temperatures, Power Supplies, PLO lock:

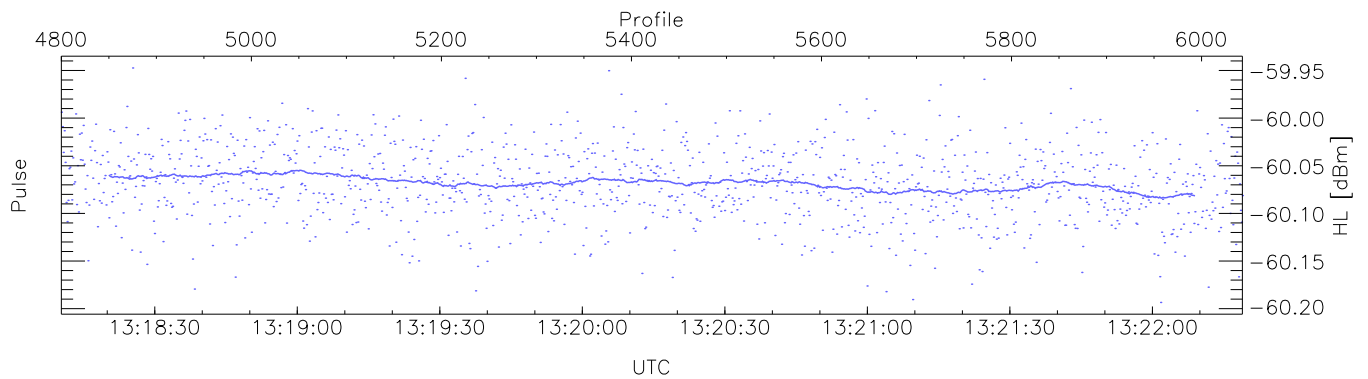
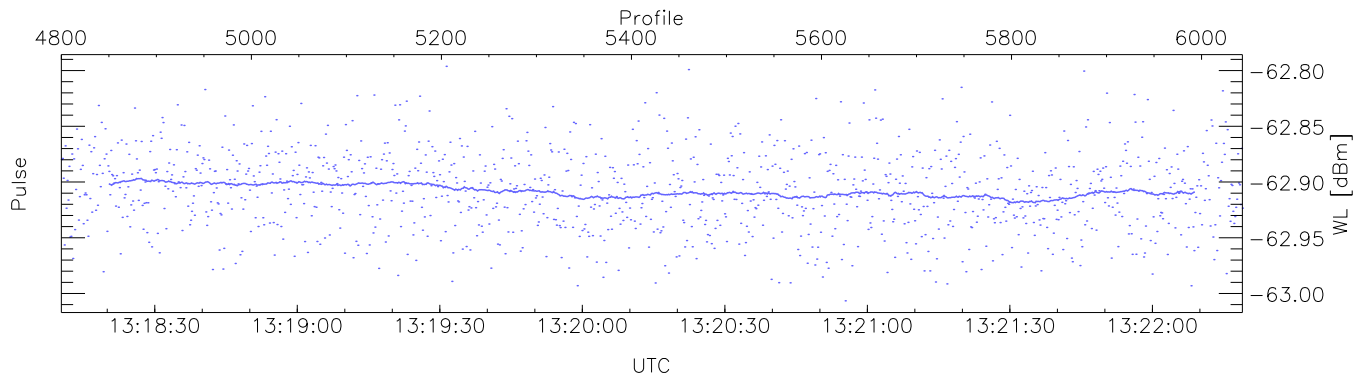
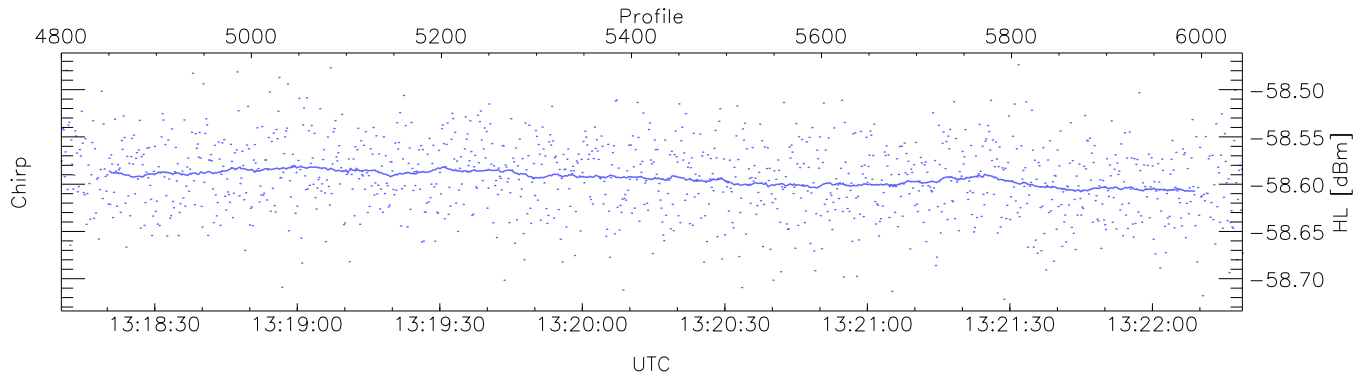
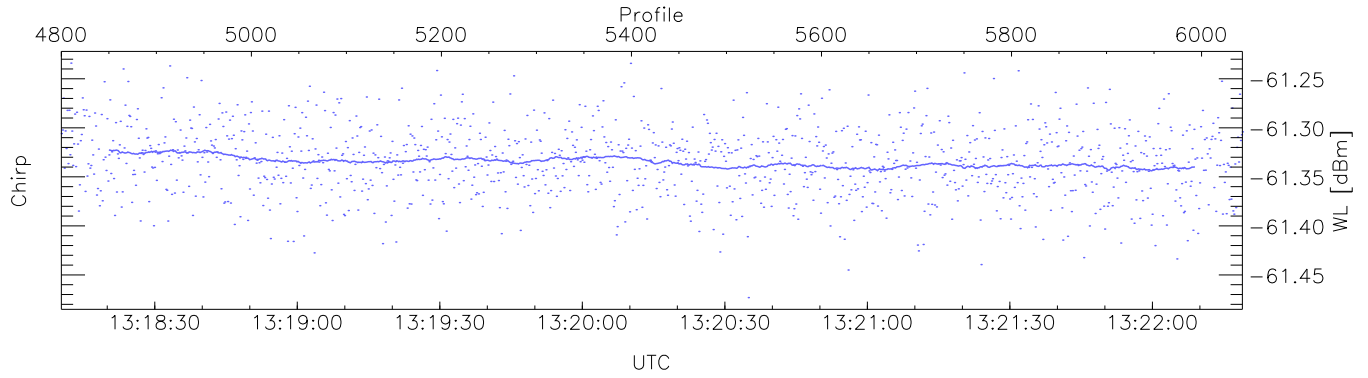
mintempC: 25.2, 27.1, 28.9, 24.0, 27.5, 9.3, 16.3  
 maxtempC: 25.7, 27.5, 29.6, 24.4, 28.0, 12.9, 16.6

minVDC: 26.43, 11.71, 7.84, 5.21  
 maxVDC: 27.81, 11.76, 7.87, 5.23

PLO(3.84,15.84 GHz) unlocked: None

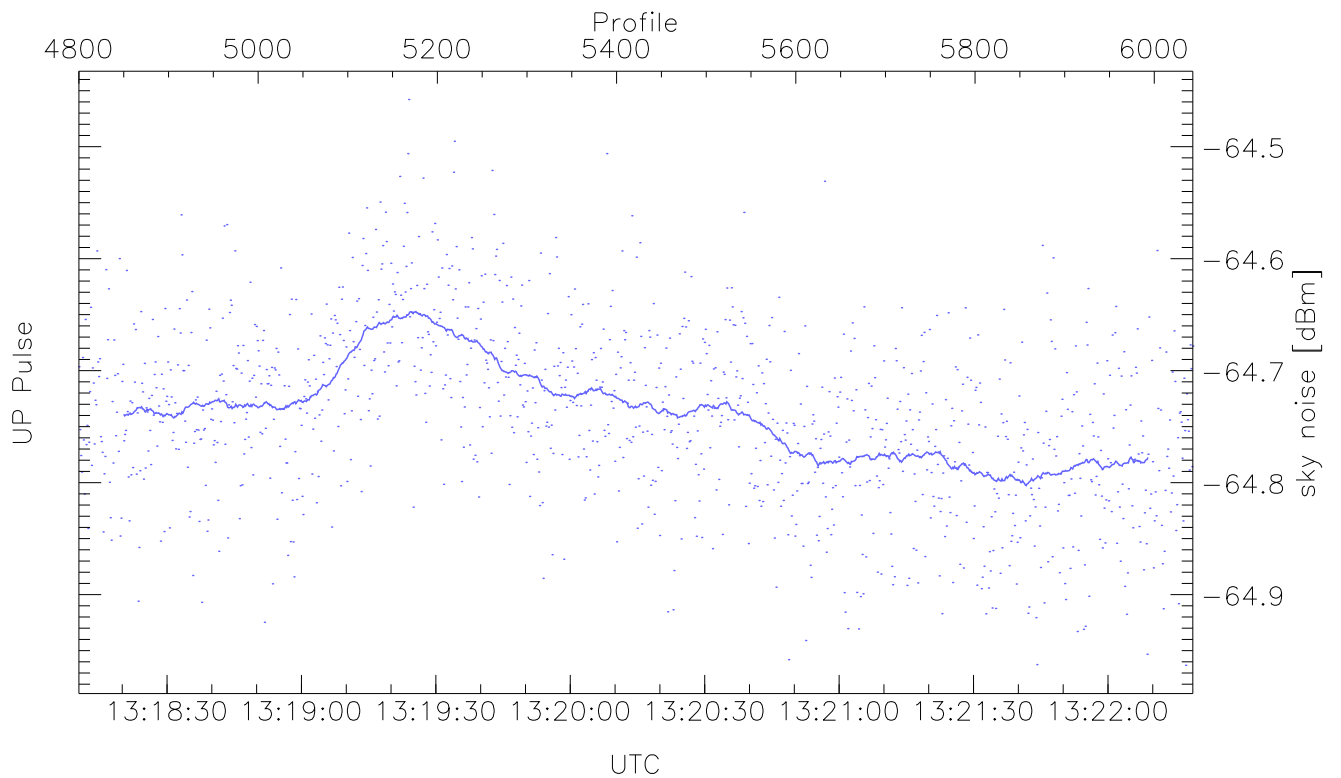
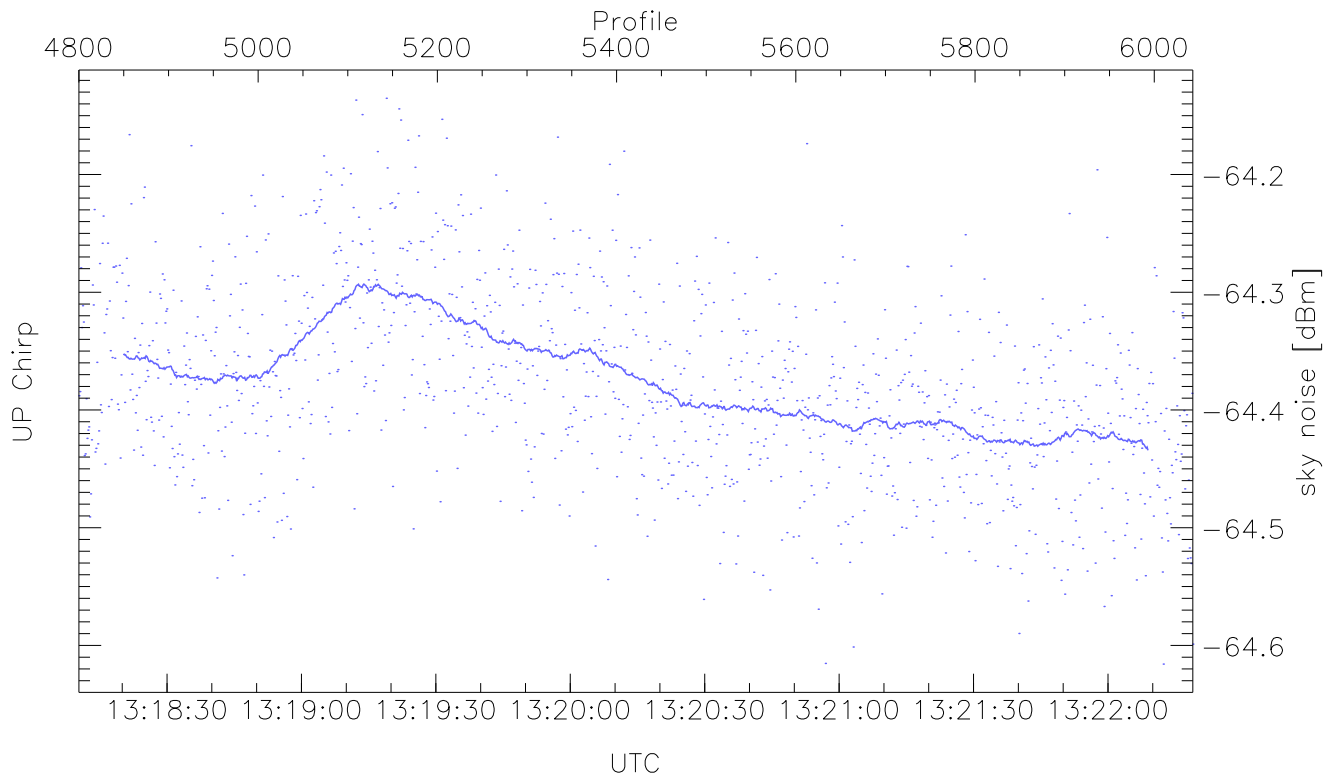


KPR SPP Receiver Gain and Noise Figure



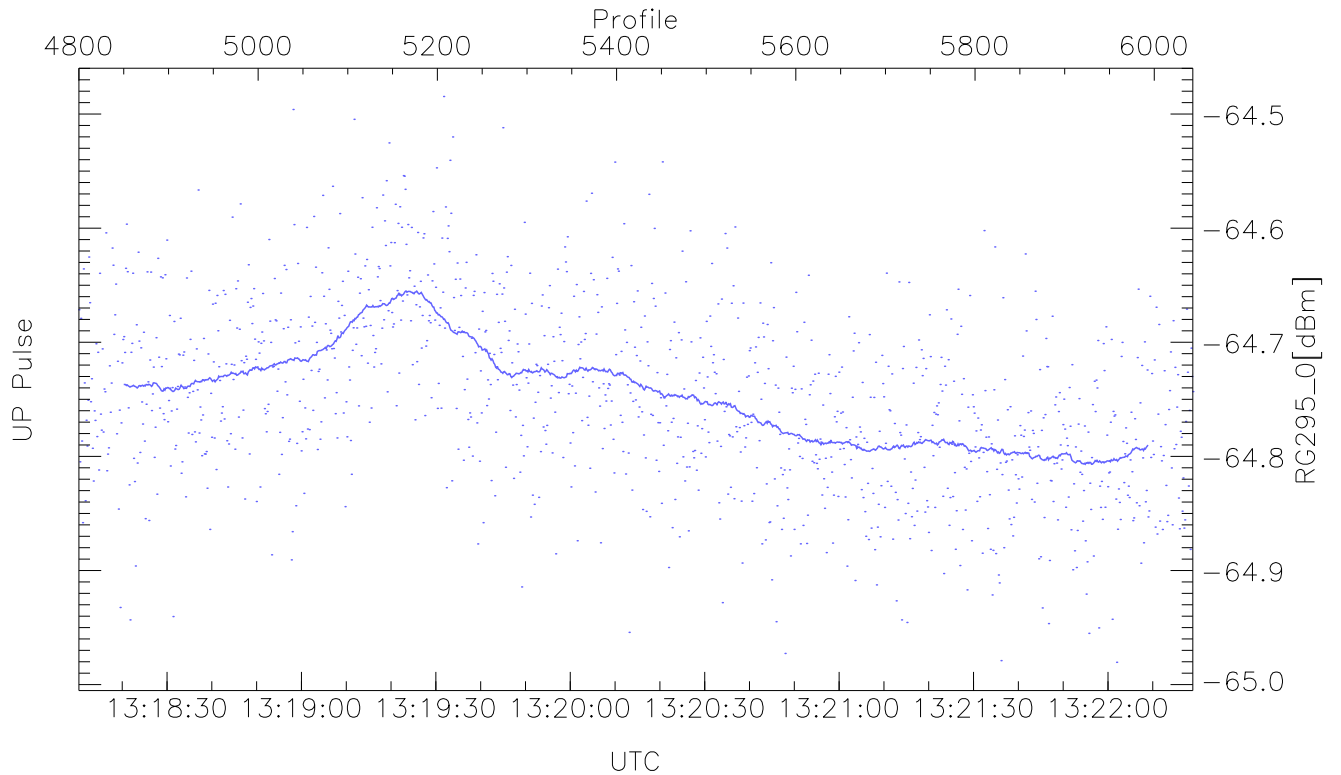
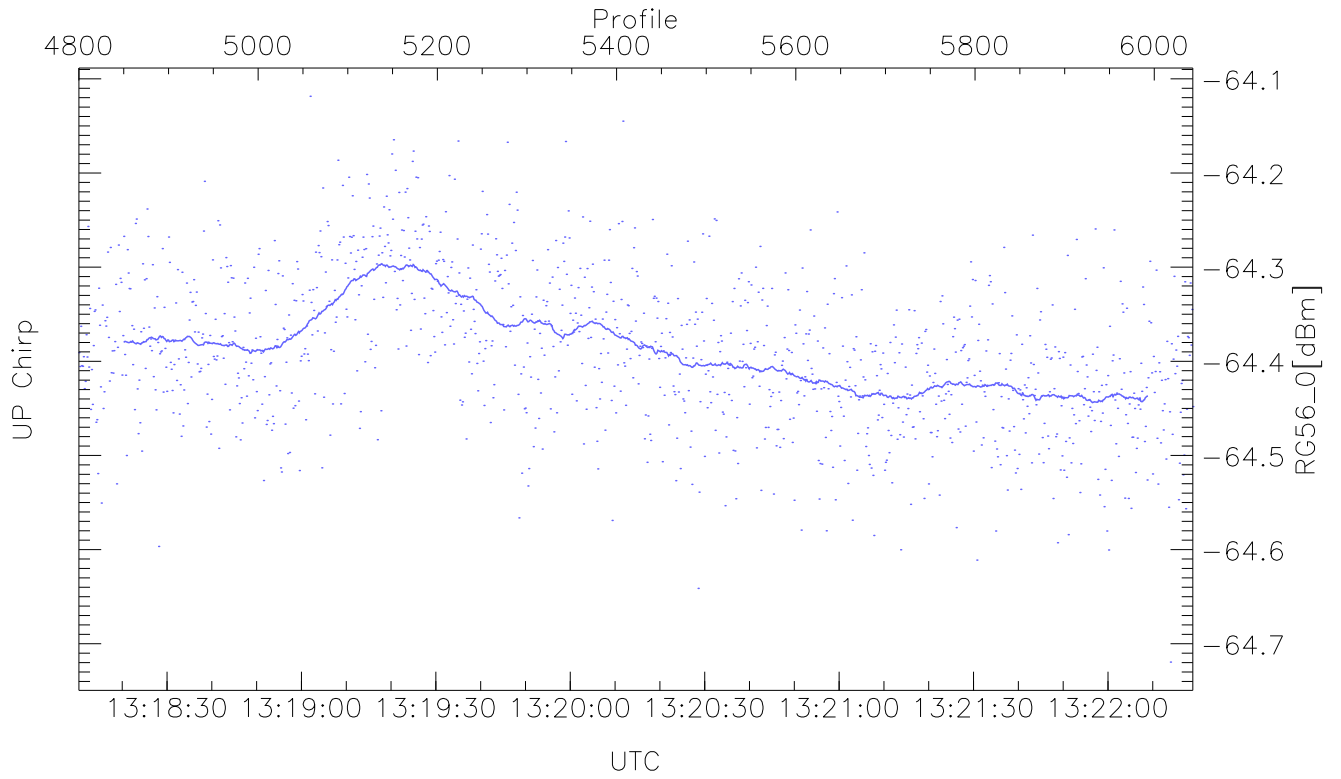
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-61.47	-61.23	-61.33	-61.33	-82.28
Chirp(HL [dBm])	-58.72	-58.47	-58.59	-58.59	-79.05
Pulse(WL [dBm])	-63.01	-62.80	-62.91	-62.91	-83.84
Pulse(HL [dBm])	-60.19	-59.95	-60.07	-60.07	-80.71



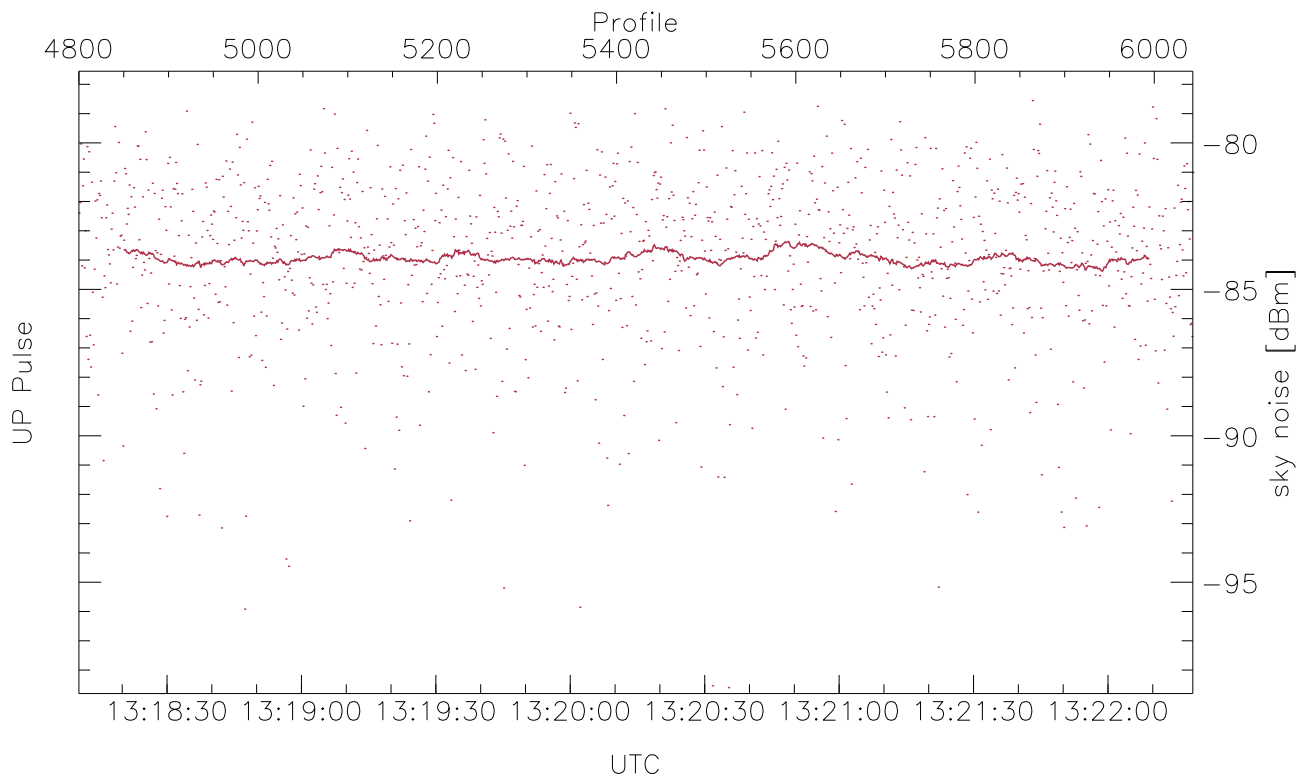
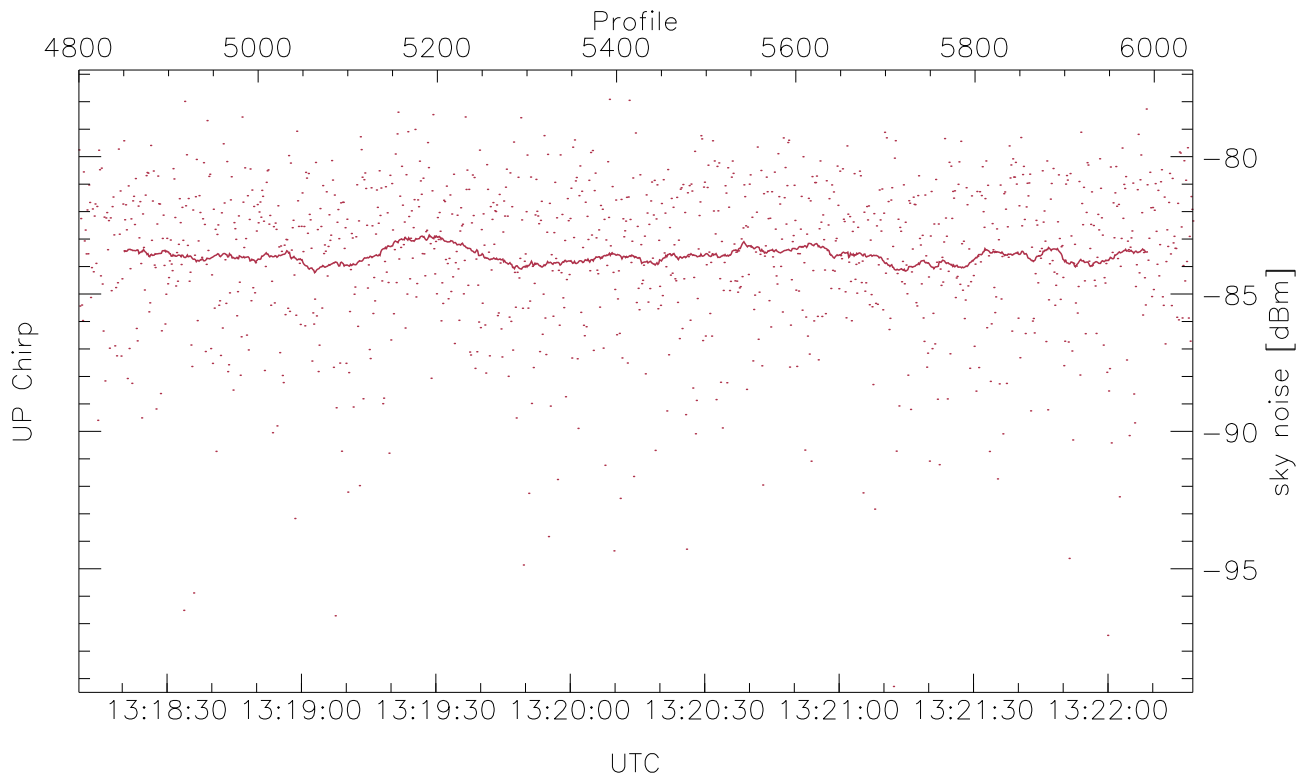
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-64.62	-64.14	-64.38	-64.38	-81.69
UP Pulse(dBm)	-64.96	-64.46	-64.74	-64.74	-82.12



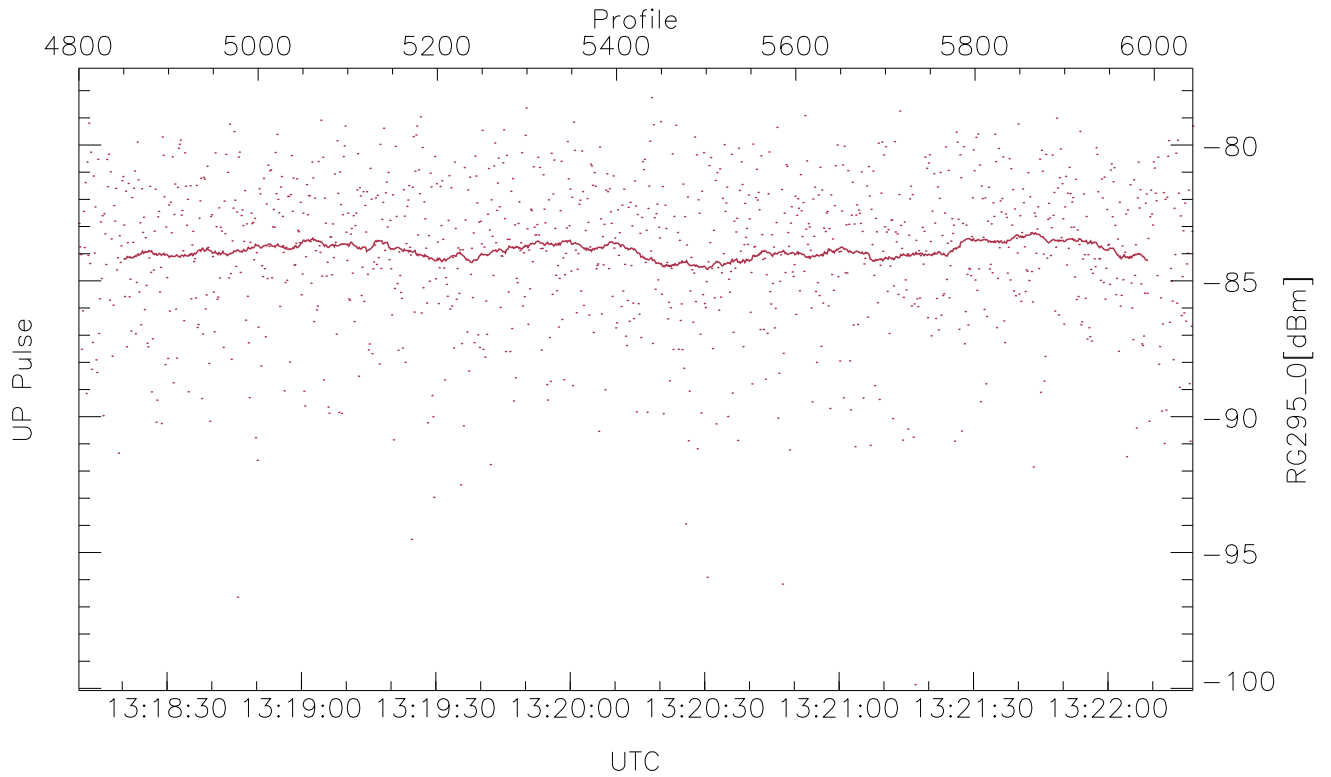
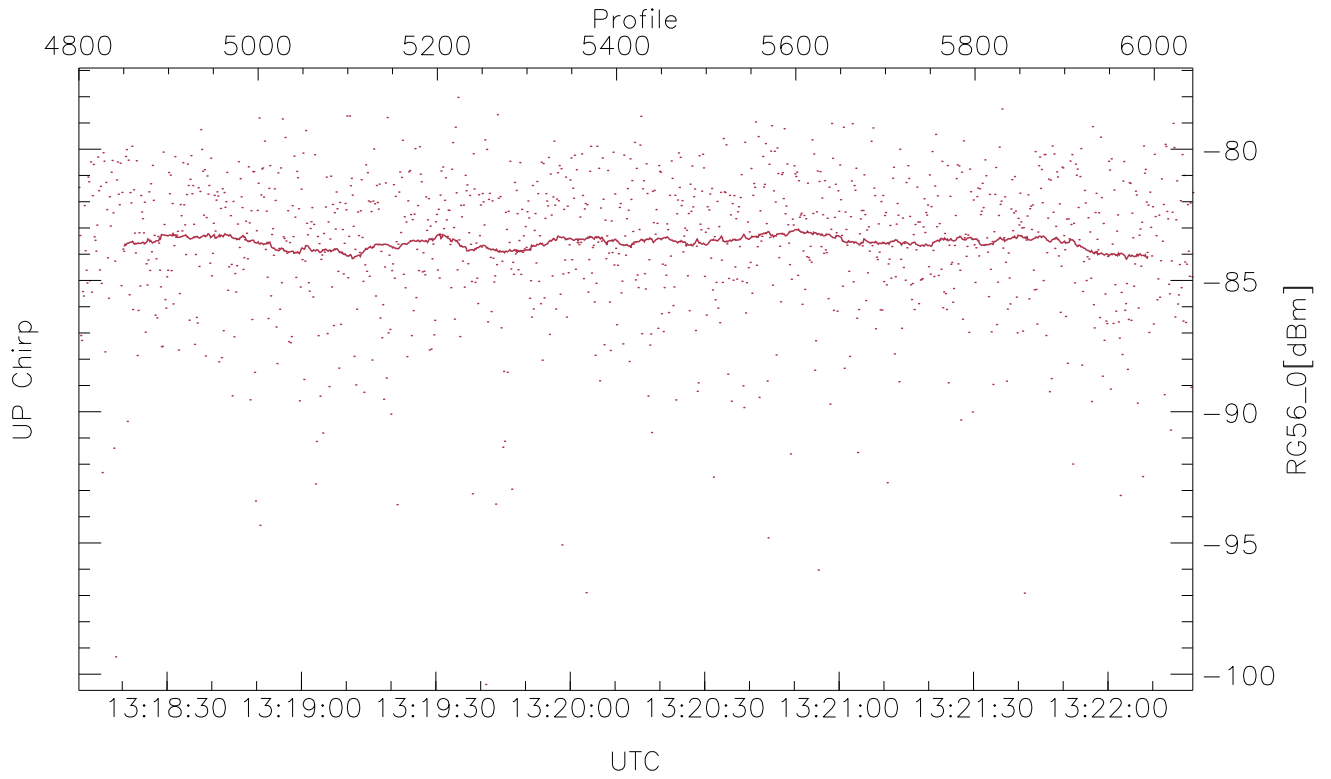
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG56_0	-64.72	-64.12	-64.39	-64.39	-81.71
UP_P_RG295_0	-64.98	-64.48	-64.75	-64.75	-82.08



KPR SPP Last range gate PPMAG: assumed RM(sky) noise

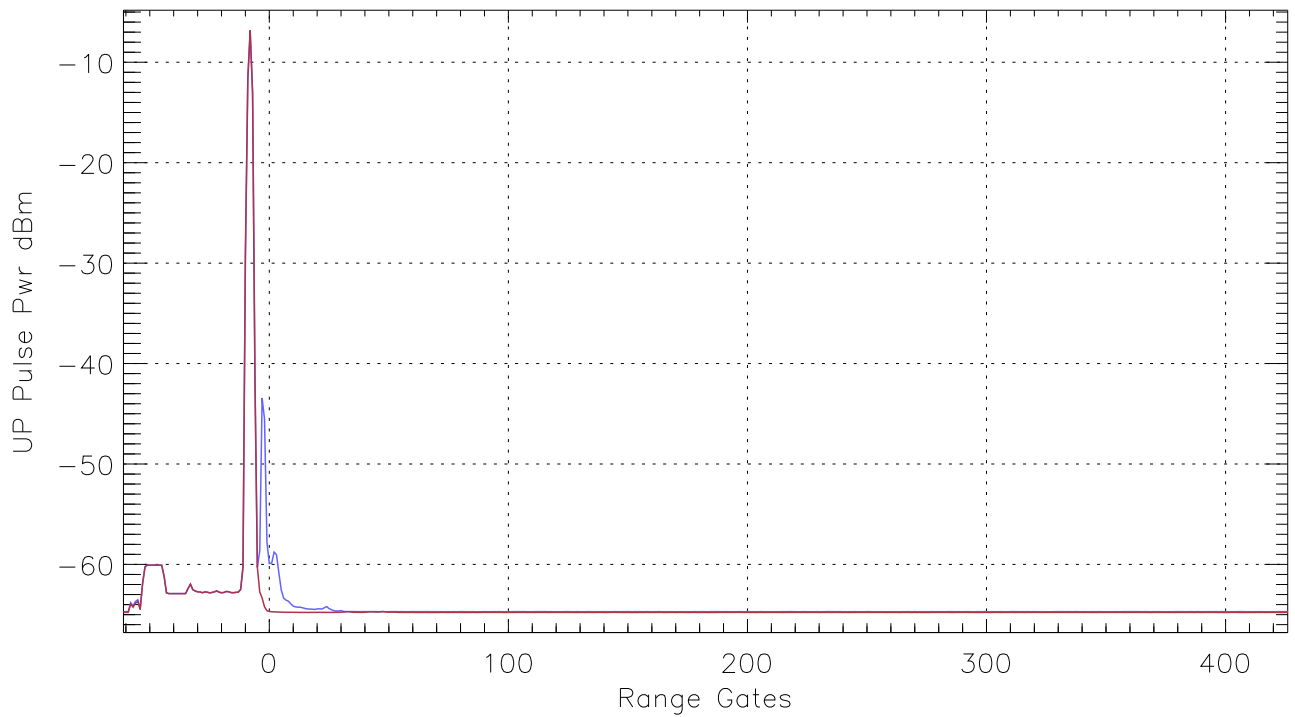
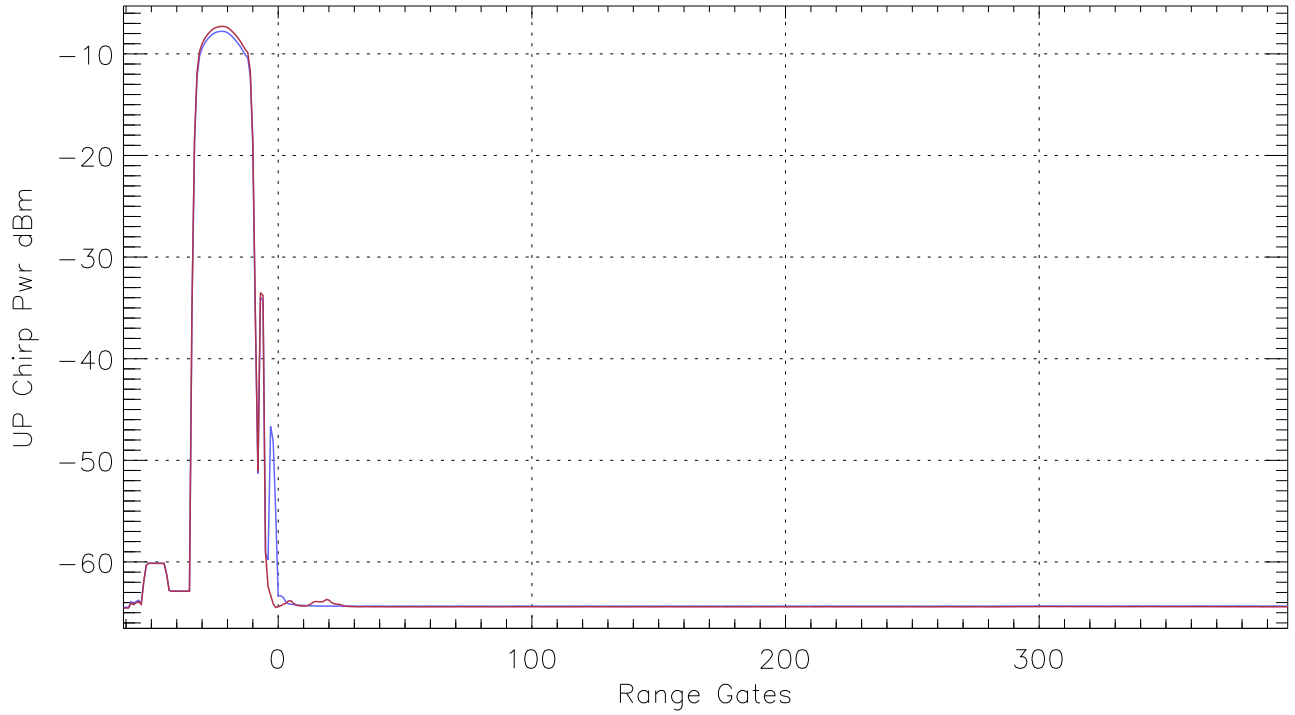
	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-99.29	-77.91	-82.84	-83.07	-85.66
UP Pulse(dBm)	-98.60	-78.55	-83.18	-83.54	-85.91



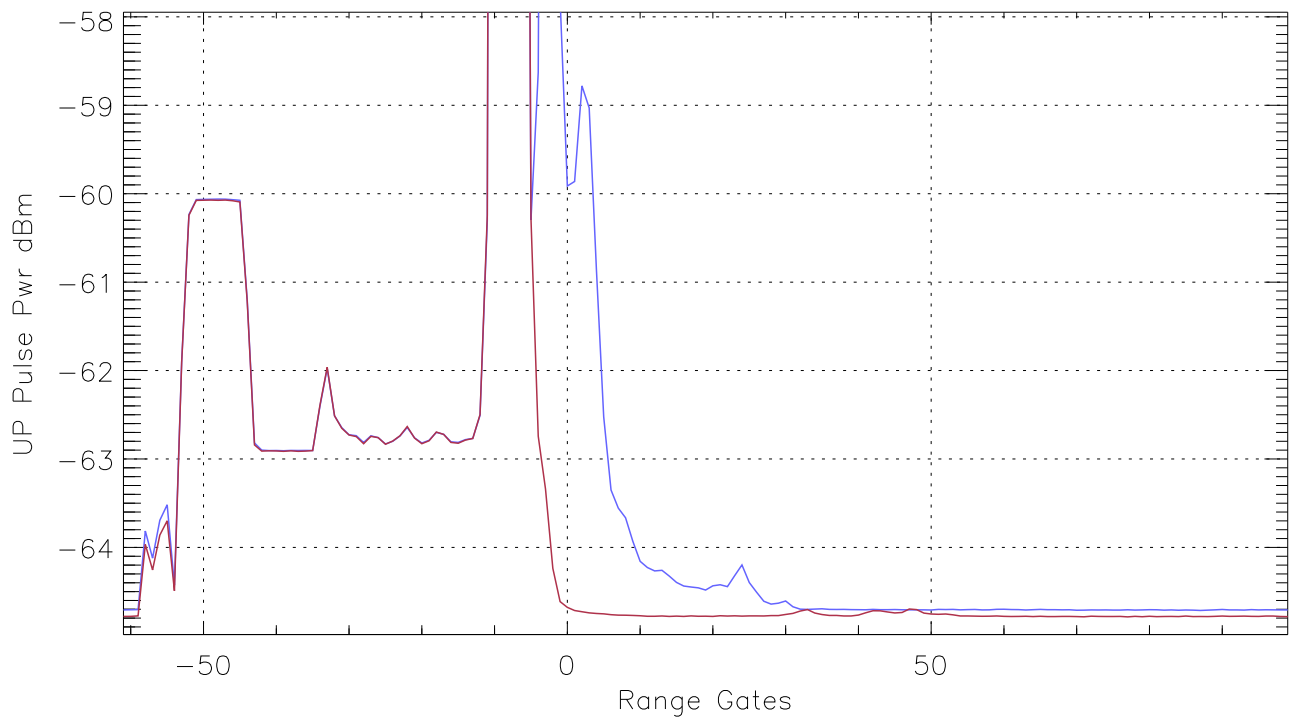
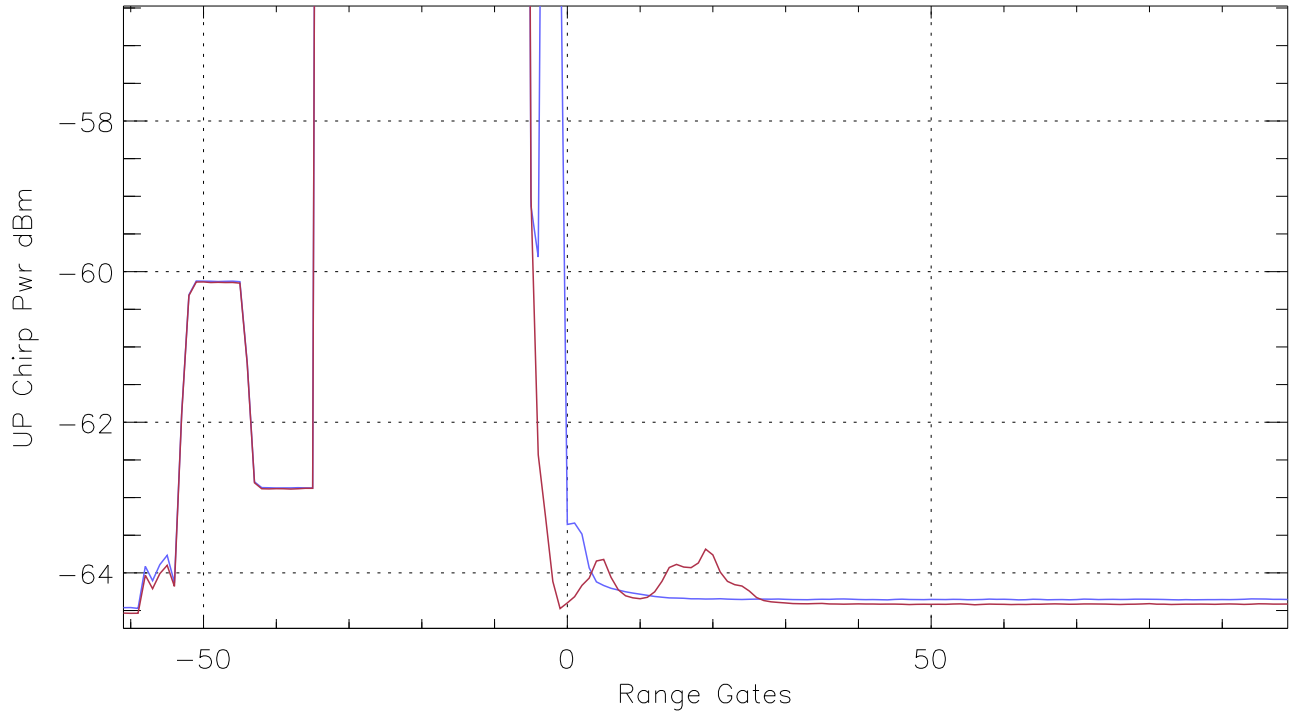
KPR SPP "Best" PPMAG noise (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG56_0	-100.39	-78.03	-82.87	-83.12	-85.84
UP_P_RG295_0	-99.86	-78.25	-83.17	-83.56	-85.87

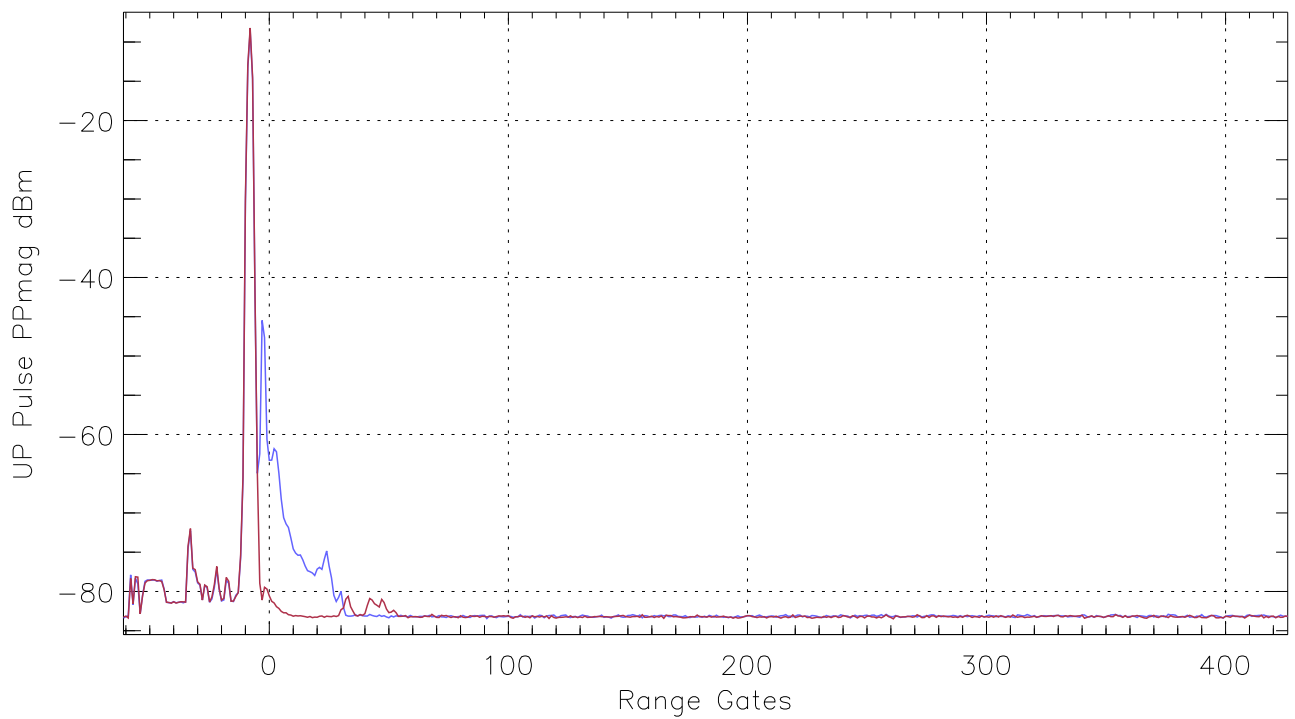
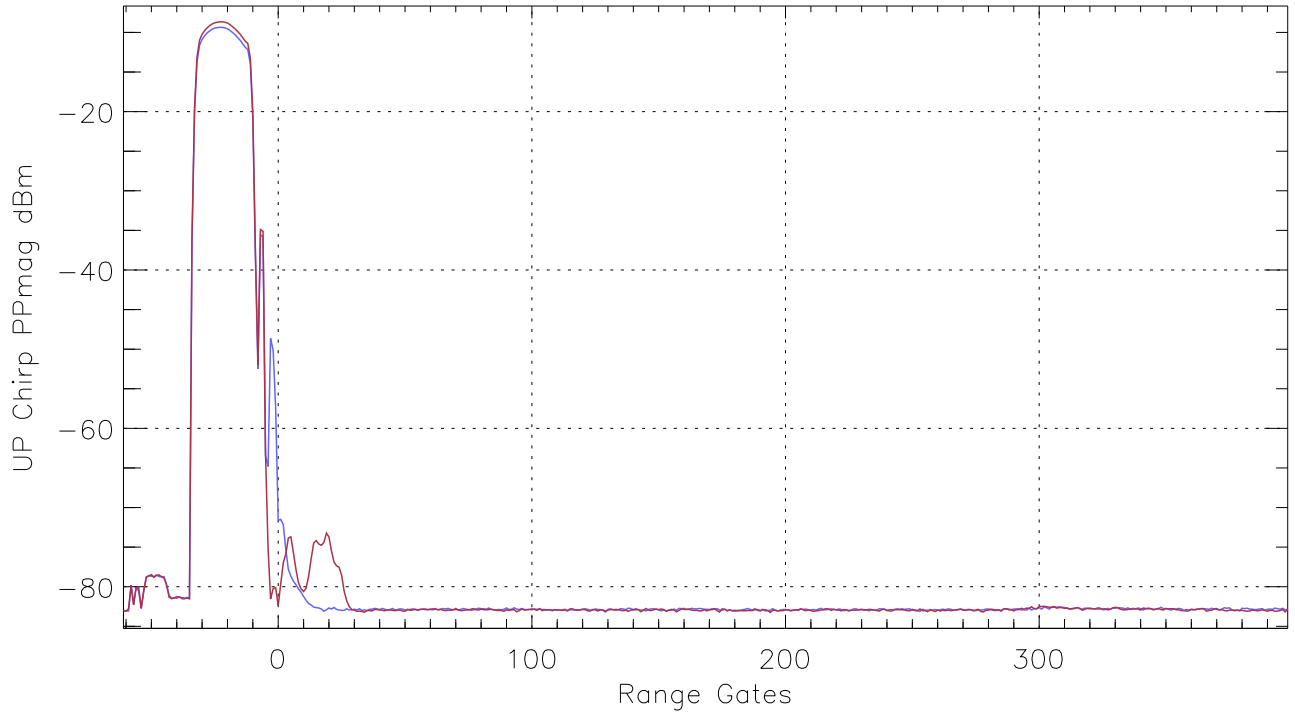




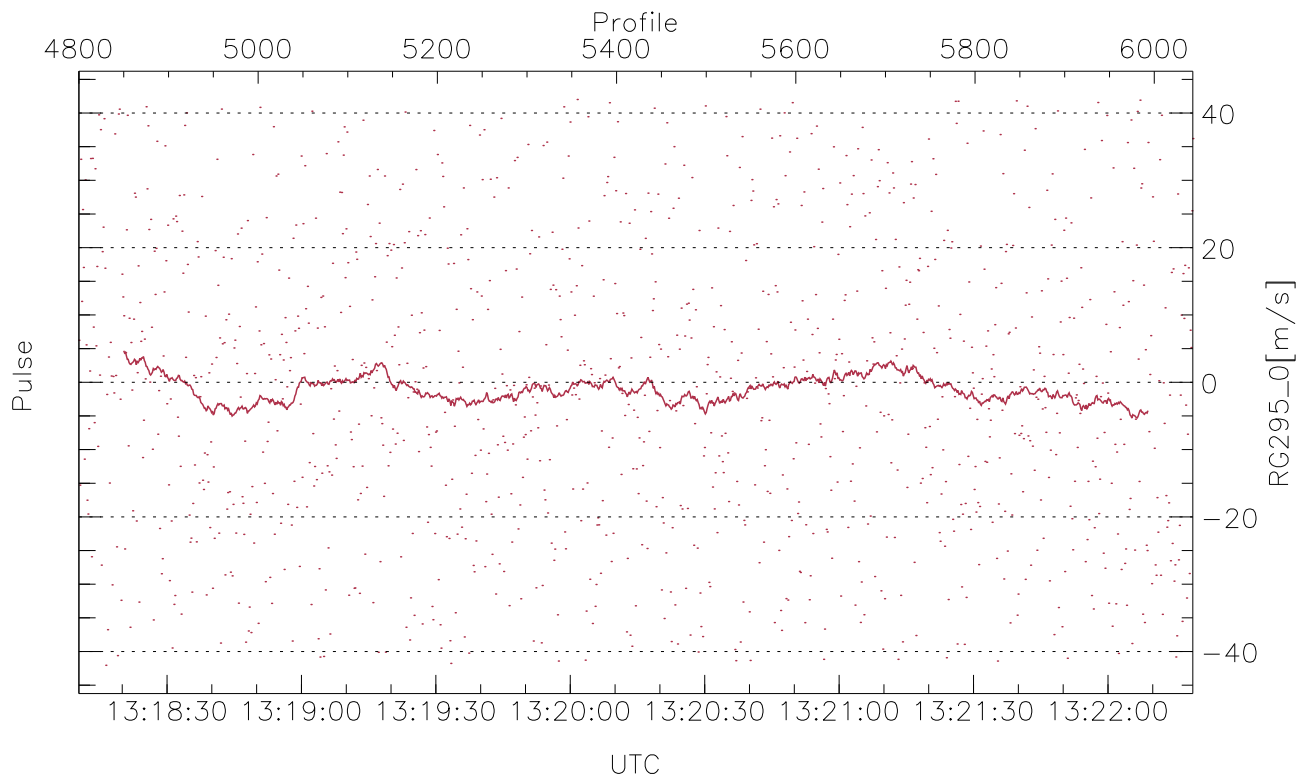
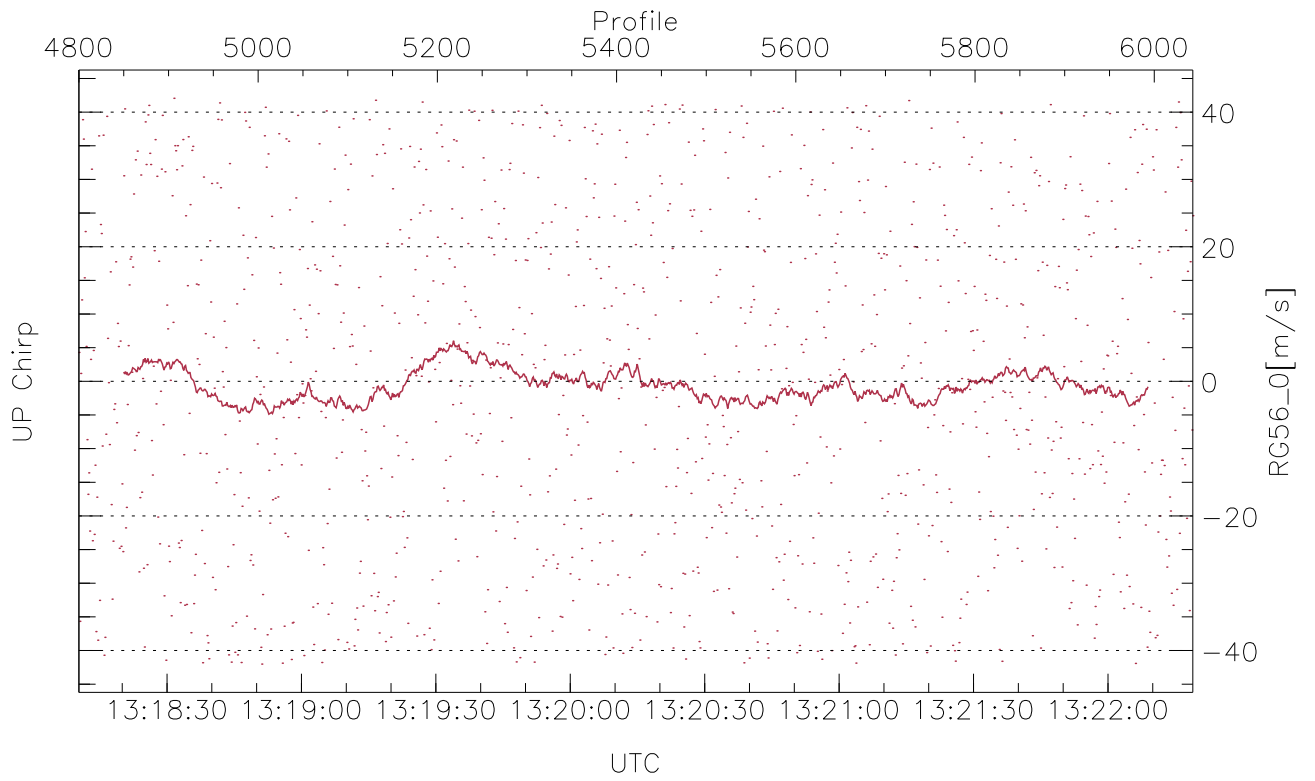
KPR SPP Averaged Received power for all recorded gates  
blue: 131810-132014, 623 profiles averaged  
red: 132014-132219, 622 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates  
blue: 131810-132014, 623 profiles averaged  
red: 132014-132219, 622 profiles averaged

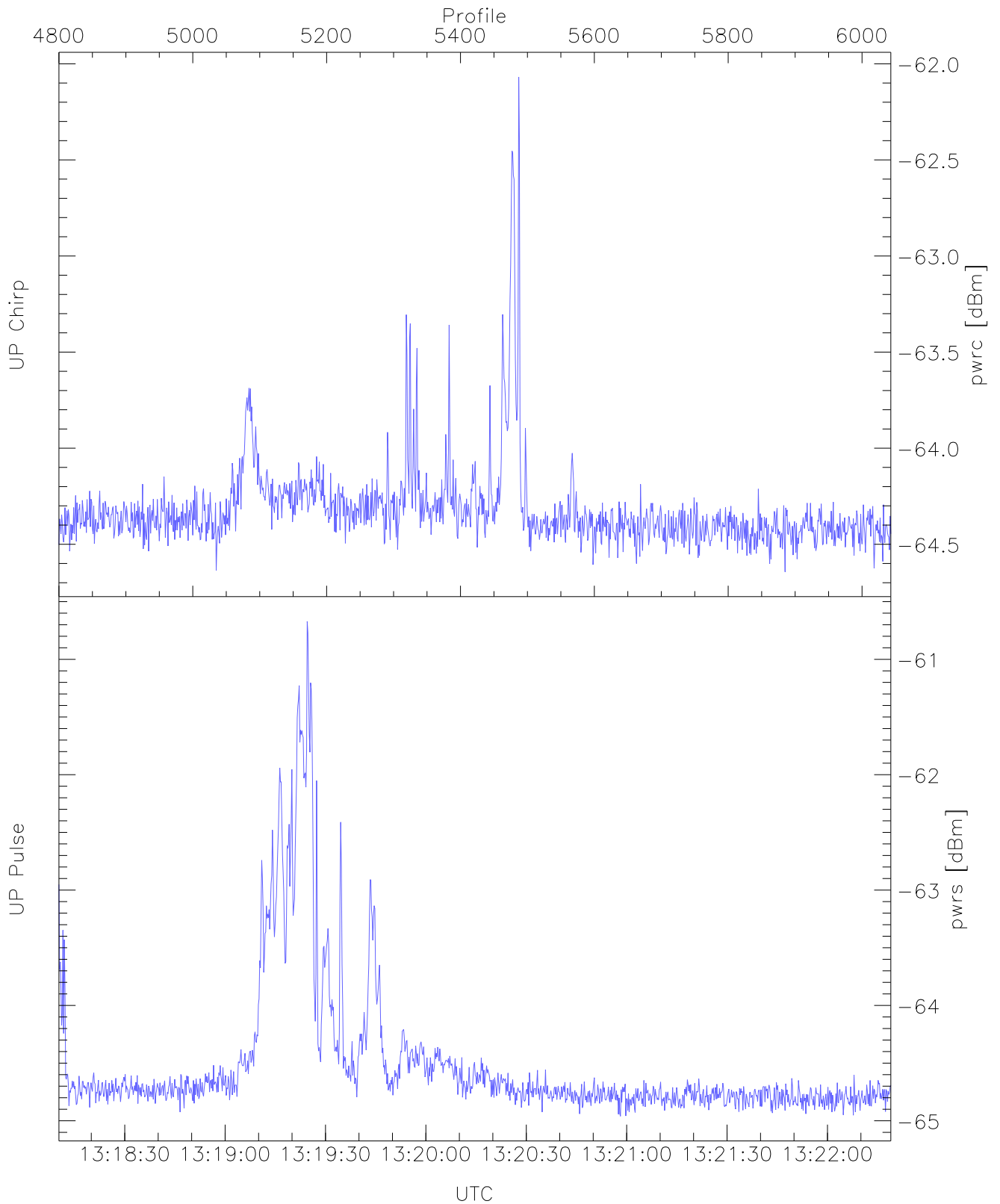


KPR SPP Averaged PP magnitude for all recorded gates  
blue: 131810-132014, 623 profiles averaged  
red: 132014-132219, 622 profiles averaged



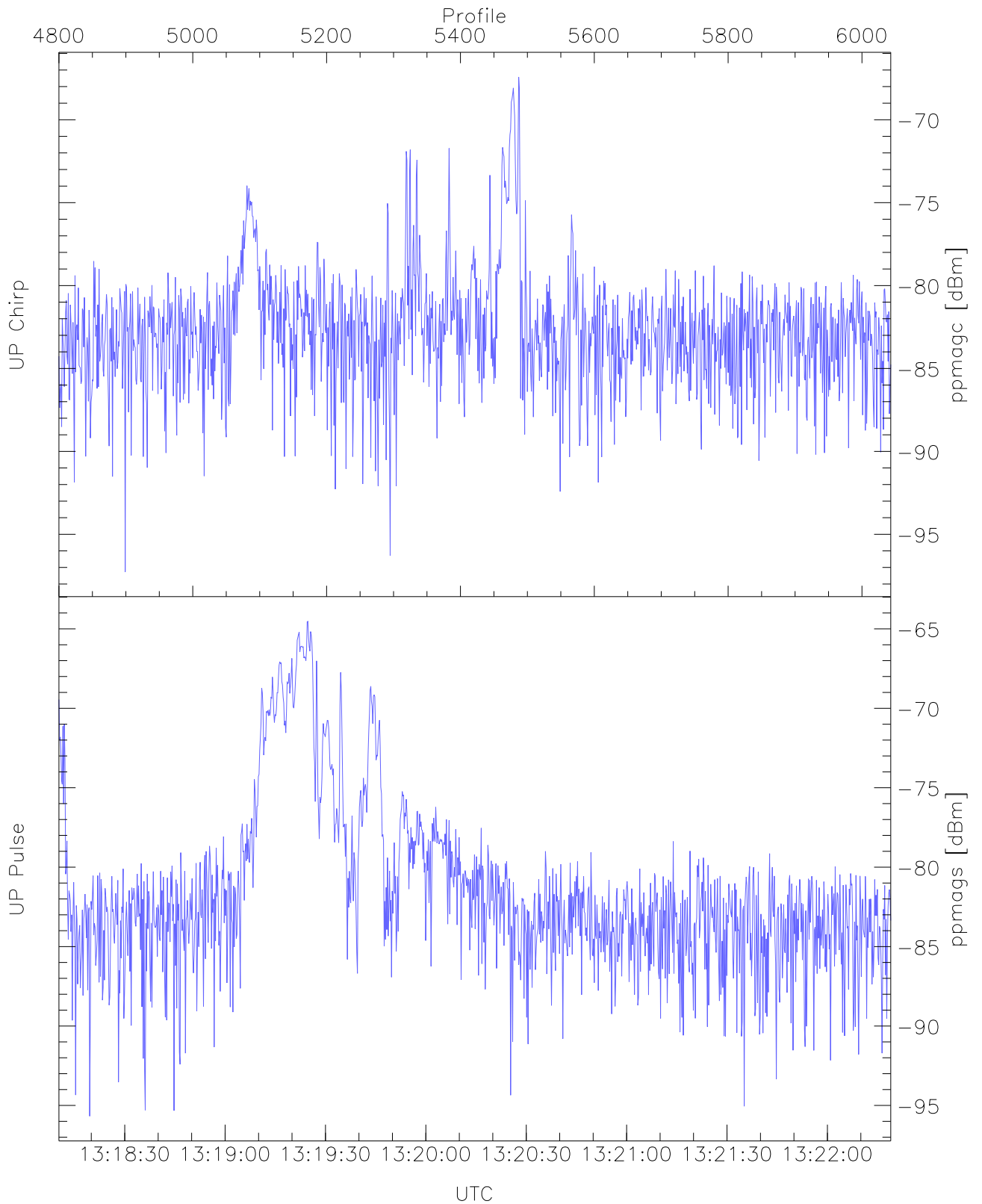
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RG56_0	-42.01	42.05	-0.65	-0.85	24.52
UP_P_RG295_0	-42.04	42.01	-1.00	-0.95	21.80



KPR SPP Received Power for Chirp Range gate 10 (686.2 m)  
 KPR SPP Received Power for Pulse Range gate 10 (270.7 m)

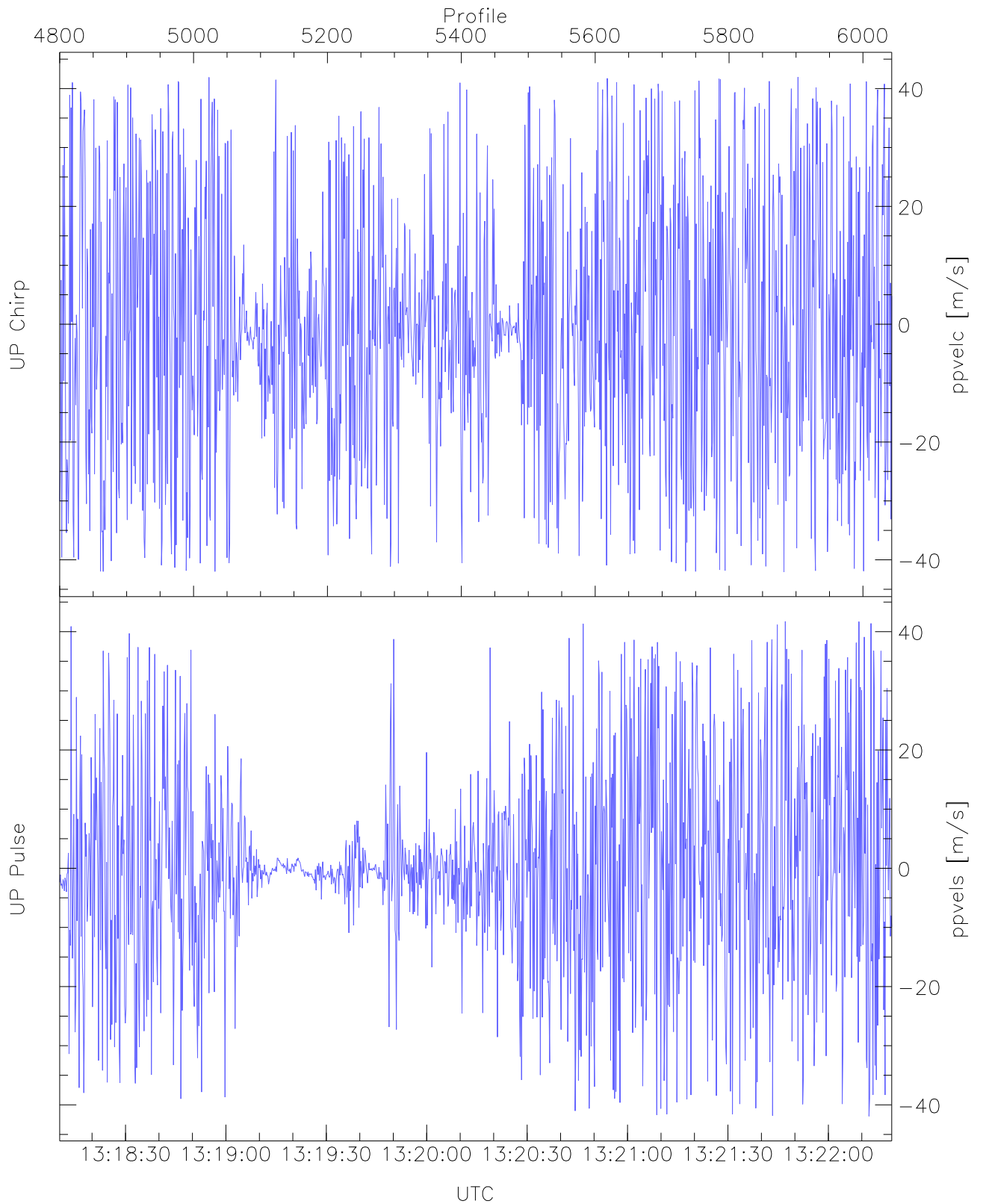
	Min	Max	Mean
UP Chirp(dBm)	-64.64	-62.07	-64.31
UP Pulse(dBm)	-64.96	-60.67	-64.45



KPR SPP PPMAG for Chirp Range gate 10 (686.2 m)

KPR SPP PPMAG for Pulse Range gate 10 (270.7 m)

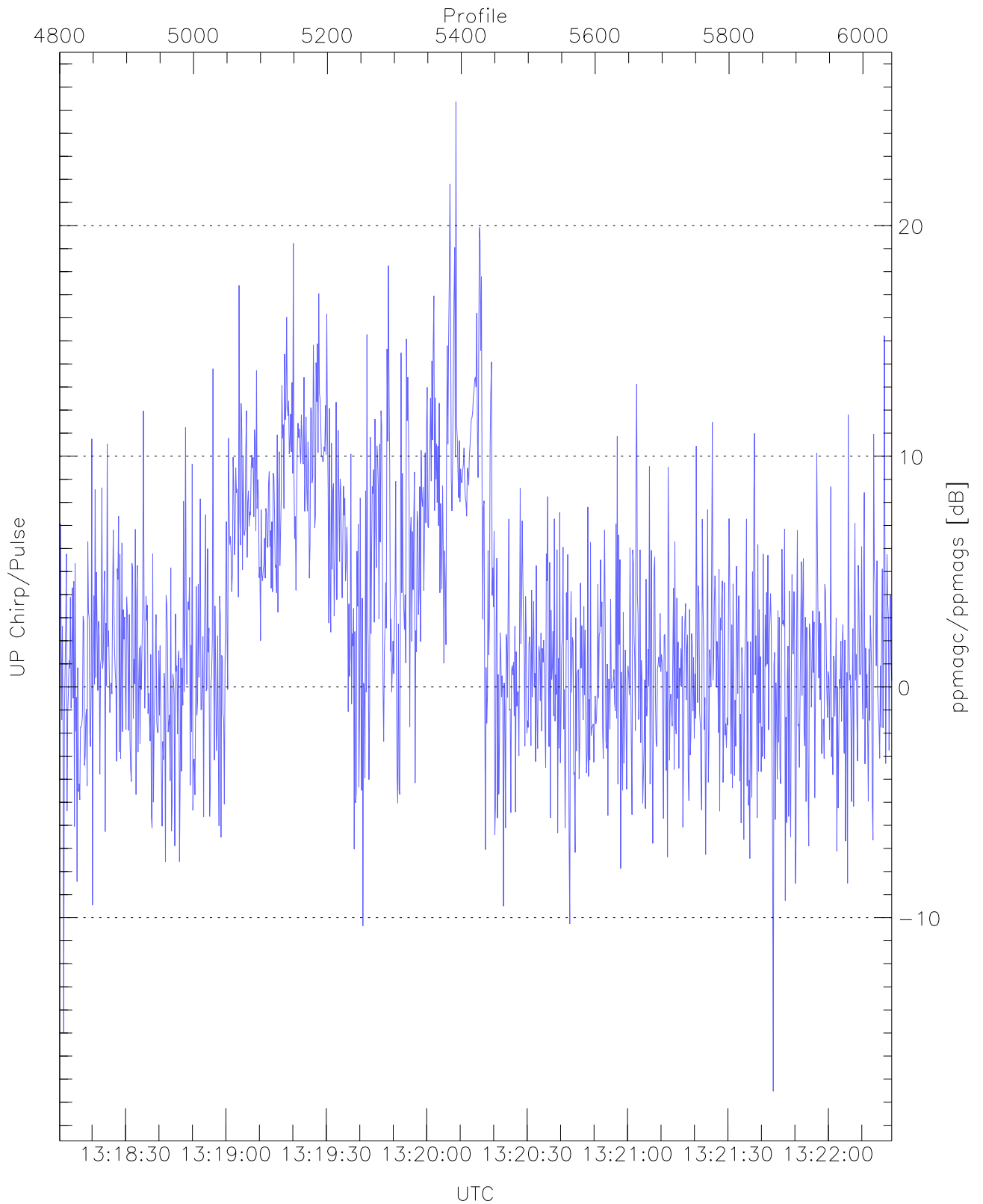
	Min	Max	Mean
UP Chirp(dBm)	-97.27	-67.42	-80.91
UP Pulse(dBm)	-95.68	-64.53	-77.02



KPR SPP PPVEL for Chirp Range gate 10 (686.2 m)

KPR SPP PPVEL for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(m/s)	-42.04	41.96	-0.79
UP Pulse(m/s)	-41.91	41.75	0.04



KPR SPP PPMAG Chirp/Pulse; Range gate: 551.3m /555.5m

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-17.53	25.36	6.74